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Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LG 4878	SERIAL NO. 10/066,390
	APPLICANT: Padgett et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: February 1, 2002	GROUP: 1655

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
2	5,459,039	10/17/95	Modrich et al.	435	6	03/18/94
1	5,683,877	11/04/97	Lu-Chang et al.	435	6	06/06/95
1	5,795,747	08/18/98	Henco et al.	435	91.1	06/26/95
1	6,057,103	05/02/00	Short	435	6	08/26/97
1	6,165,793	12/26/00	Stemmer	435	440	05/08/98
2	US2002/0045175	04/18/02	Wang et al.			05/23/01

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
2	WO 99/29902	06/17/99	PCT	1	1	
2	WO 01/34835	05/17/01	PCT	1	1	
2	WO 02/24953	03/28/02	PCT	1	1	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

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# **SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT** (use as many sheets as necessary)

Sheet 1 of 2

## **Complete If Known**

Application Number	10/066,390
Filing Date	2/1/2002
First Named Inventor	Padgett et al.
Art Unit	1634
Examiner Name	Fredman, J.N.
Attorney Docket Number	P-LG4878

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-6,537,746	3/25/2003	ARNOLD, et al.	
		US-5,723,323	3/3/1998	KAUFFMAN, et al.	
		US-5,679,522	10/21/1997	MODRICH, et al.	
		US-5,922,539	7/13/1999	MODRICH, et al.	
		US-5,869,245	2/9/1999	YEUNG, et al.	
		US-20030017477 A1	1/23/2003	VIND	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>2</sup> - Number <sup>2</sup> - Kind Code <sup>2</sup> (if known)			
		DE 19953854 (WO 01/34835)	5/17/2001	EIGEN, et al.	
		WO 92/18645	10/29/1992	HENCO, et al.	
		DE 4112440 (WO 92/18645)	10/22/1992	HENCO, et al.	
		WO 97/46701	12/11/1997	YEUNG	
		WO 01/62974	8/30/2001	YEUNG	
		WO 96/40902	12/19/1996	CHIRIKJIAN, et al.	

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<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.  
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**SUPPLEMENTAL  
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STATEMENT BY APPLICANT**

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Application Number	10/066,390
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First Named Inventor	Padgett et al.
Group Art Unit	1634
Examiner Name	Fredman, J.N.
Attorney Docket Number	P-LG4878

Sheet 2 of 2

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Clk No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
N		ABASTADO, et al., "Processing of complex heteroduplexes in <i>Escherichia coli</i> and Cos-1 monkey cells", <i>Proc. Natl. Acad. Sci. USA</i> , September 1984, Vol. 81, pp. 5792-5796	
		CAMI, et al., "Correction of complex heteroduplexes made of mouse H-2 gene sequences in <i>Escherichia coli</i> K-12", <i>Proc. Natl. Acad. Sci. USA</i> , January 1984, Vol. 81, pp. 503-507	
		CHANG, et al., "Recombination following transformation of <i>Escherichia coli</i> by heteroduplex plasmid DNA molecules", <i>Gene</i> , 1984, Vol. 29, pp. 255-261, Elsevier	
		COTTON, "Slowly but surely towards better scanning for mutations", <i>TIG</i> , February 1997, Vol. 13, No. 2, pp. 43-46, Elsevier Science Ltd.	
		JOYCE, "Directed Molecular Evolution", <i>Scientific American</i> , December 1992, pp. 90-97	
		KULINSKI, et al., "CEL I Enzymatic Mutation Detection Assay", <i>Biotechniques</i> , July 2000, Vol. 29, pp. 44-48	
		LAHUE, et al., "Requirement for d(GATC) sequences in <i>Escherichia coli</i> mutHLS mismatch correction", <i>Proc. Natl. Acad. Sci. USA</i> , March 1987, Vol. 84, pp. 1482-1486	
		MODRICH, "Strand-specific Mismatch Repair in Mammalian Cells", <i>The Journal of Biological Chemistry</i> , October 3, 1997, Vol. 272, No. 4, pp. 24727-24730, The American Society of Biochemistry and Molecular Biology, Inc., Bethesda, MD	
		OLEYKOWSKI, et al., "Mutation detection using a novel plant endonuclease", <i>Nucleic Acids Research</i> , 1998, Vol. 26, No. 20, pp. 4597-4602, Oxford University Press, United Kingdom	
		OLEYKOWSKI, et al., "Incision at Nucleotide Insertions/Deletions and Base Pair Mismatches by the SP Nuclease of Spinach", <i>Biochemistry</i> , 1999, Vol. 38, pp. 2200-2205, American Chemical Society, Columbus, OH	
		ROBERTSON, "Directed evolution patent could have major impact", <i>Nature Biotechnology</i> , May 1998, Vol. 16, p. 411	
		SOLARO, et al., "Endonuclease VII of Phage T4 Triggers Mismatch Correction <i>In Vitro</i> ", <i>J. Mol. Biol.</i> , 1993, Vol. 230, pp. 868-877, Academic Press Limited	
		VOLKOV, et al., "Random Chimeragenesis by Heteroduplex Recombination", <i>Methods in Enzymology</i> , 2000, Vol. 328, pp. 456-463, Academic Press	
		VOLKOV, et al., "Recombination and chimeragenesis by <i>in vitro</i> heteroduplex formation and <i>in vivo</i> repair", <i>Nucleic Acids Research</i> , 1999, Vol. 27, No. 18, pp. e18 (i-iv), Oxford University Press	
		YANG, et al., "Purification, Cloning, and Characterization of the CEL I Nuclease", <i>Biochemistry</i> , 2000, Vol. 39, pp. 3533-3541, American Chemical Society	

Examiner Signature

Date Considered

3/18/02

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